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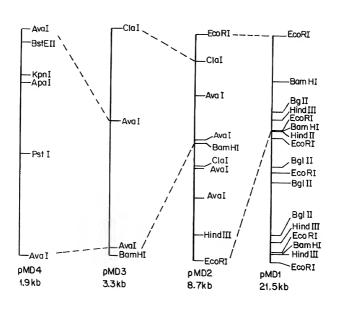


Fig. 1

ISOLATED AND PURIFIED DNA MOLECULE AND PROTEIN FOR THE DEGRADATION OF TRIAZINE COMPOUNDS

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GOGGGGG G7GGG

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1 2 3 4

9.3 -> - - - - - - - - - - 8.3

─1.9

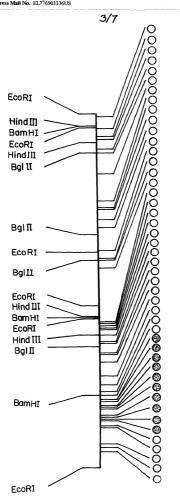
Fig. 2

ISOLATED AND PURIFIED DNA MOLECULE AND PROTEIN FOR THE DEGRADATION OF TRIAZINE COMPOUNDS

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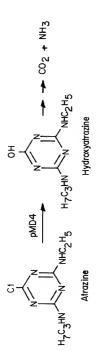
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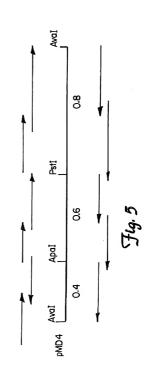


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ISOLATED AND PURIFIED DNA MOLECULE AND PROTEIN FOR THE DEGRADATION OF TRIAZINE COMPOUNDS $\ensuremath{\mathsf{N}}$ Title

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^{5/7} Fig. 6

1			CGGCCACAGC	AGCCTTGATC	ATGAAGGCGA
51		CTTGACGCCG		TCTCTTTGTT	GAACTGCACG
101		CCAGGTCGGT		TCGTCGTGGT	TGGTGACGTG
151	CGGGATGACC	ACCCAGTTGC	GGTGCAGGTT	TTTCGATGGC	ATAATATCTG
				atzA \rightarrow	
201	CGTTGCGACG	TGTAACACAC	TATT <u>GGAGA</u> C	ATATC ATG CA	AACGCTCAGC
251	ATCCAGCACG	GTACCCTCGT	CACGATGGAT	CAGTACCGCA	GAGTCCTTGG
301	GGATAGCTGG	GTTCACGTGC	AGGATGGACG	GATCGTCGCG	CTCGGAGTGC
351	ACGCCGAGTC	GGTGCCTCCG	CCAGCGGATC	GGGTGATCGA	TGCACGCGGC
401	AAGGTCGTGT	TACCCGGTTT	CATCAATGCC	CACACCCATG	TGAACCAGAT
451	CCTCCTGCGC	GGAGGGCCCT	CGCACGGACG	TCAATTCTAT	GACTGGCTGT
501	TCAACGTTGT	GTATCCGGGA	CAAAAGGCGA	TGAGACCGGA	GGACGTAGCG
551	GTGGCGGTGA	GGTTGTATTG	TGCGGAAGCT	GTGCGCAGCG	GGATTACGAC
601	GATCAACGAA	AACGCCGATT	CGGCCATCTA	CCCAGGCAAC	ATCGAGGCCG
651		CTATGGTGAG		GGGTCGTCTA	CGCCCGCATG
701			GCGCATTCAA	GGGTATGTGG	ACGCCTTGAA
751		CCCCAAGTCG		GATCATGGAG	GAAACGGCTG
801		TCGGATCACA		ATCAGTATCA	TGGCACGGCA
851	GGAGGTCGTA	TATCAGTTTG	GCCCGCTCCT	GCCACTACCA	CGGCGGTGAC
901	AGTTGAAGGA	ATGCGATGGG		CGCCCGTGAT	CGGGCGGTAA
951	TGTGGACGCT		GAGAGCGATC	ATGATGAGCG	GATTCATGGG
	ATGAGTCCCG			GGACTCTTGG	ATGAGCGTCT
	GCAGGTCGCG			GAAGGATGTT	CGGCTGCTGC
1101	ACCGCCACAA			TTGTGAGCAA	TGCCTACCTC
1151		TGGCCCCCGT		GTGGAGCGCG	GCATGGCCGT
1201			GGAATAGTAA	TGACTCCGCA	AACATGATCG
1251		GTTTATGGCC		GCGCGGTGCA	TCGGGATGCG
1301	GACGTGCTGA	CCCCAGAGAA	GATTCTTGAA	ATGGCGACGA	TCGATGGGGC
1351	GCGTTCGTTG		ACGAGATTGG	TTCCATCGAA	ACCGGCAAGC
1401	GCGCGGACCT		GACCTGCGTC	ACCTCAGACG	ACTCTCACAT
1451	CATTTGGCGG		GTTTCAGGCT	TACGGCAATG	AGGTGGACAC
1501	TGTCCTGATT		TTGTGATGGA	GAACCGCCGC	TTGAGCTTTC
1551	TTCCCCCTGA	ACGTGAGTTG	GCGTTCCTTG	AGGAAGCGCA	GAGCCGCGCC
1601	ACAGCTATTT	TGCAGCGGGC	GAACATGGTG	GCTAACCCAG	CTTGGCGCAG
1651	CCTC <u>TAG</u> GAA	ATGACGCCGT	TGCTGCATCC	GCCGCCCCTT	GAGGAAATCG
1701	CTGCCATCTT	GGCGCGGCTC	GGATTGGGGG	GCGGACATGA	CCTTGATGGA
1751	TACAGAATTG	${\tt CCATGAATGC}$	GGCACTTCCG	TCCTTCGCTC	GTGTGGAATC
1801	GTTGGTAGGT	${\tt GAGGGTCGAC}$	TGCGGGCGCC	AGCTTCCCGA	AGAGGTGAAA
1851	GGCCCGAG				

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451 AOSRATAILO RANMVANPAW RSL

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Fig. 7

1 MQTLSIQHGT LVTMDQYRRV LGDSWVHVQD GRIVALGVHA ESVPPPADRV 51 IDARGKVVLP GFINAHTHVN QILLRGGPSH GRQFYDWLFN VVYFQQKAMR 101 PEDVAVAVRL YCAEAVRSGI TTINENADSA IYPGNIEAAM AVYGGVGVRV 151 VYARMFFDRM DGRIGGYVDA LKARSPQVEL CSIMEETAVA KDRITALSDQ 201 YHGTAGGRIS VWPAPATTTA VTVEGMRWAQ AFARDRAVMW TLHMAESDHD 251 ERIHGMSPAE YMECYGLLDE RLQVAHCVYF DRKDVRLLHR HNVKVASQVV 301 SNAYLGSGVA PVPEMVERGM AVGIGTDNGN SNDSANMIGD MKFMAHIHRA 511 VHRDADVLTP EKILEMATID GARSLGMDHE IGSIETGKRA DLILLDLRHL 401 RRLSHHLAAT IVFQAYGNEV DTVLIDGNVV MENRRLSSLP PERELAFLEE

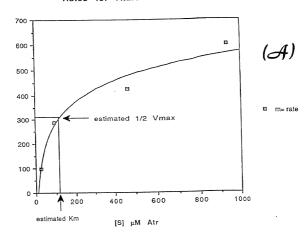
TITIE: ISOLATED AND PURIFIED DNA MOLECULE AND PROTEIN FOR THE DEGRADATION OF TRIAZINE COMPOUNDS

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7/7 Rates for AtzA w/ atrazine



Lineweaver Burke plot Km estimated to be 125 μM

